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#Use R-3.4.2
#Import Package in R

#load package:
library(concordantSearch)

#De-duplication in one file
duplicateSearch()

#linking file-to-file
concordantSearch()

#Format Field and order:
1-keysource: numeric
2-maiden_name: characters
3-first_name: characters
4-marital_name: characters
5-zipcode: numeric
6-city: characters (not mandatory)
7-birthday: numeric
8-birthmonth: numeric
9-birthyear: numeric
10-memo: characters

#Compute position, blocking fields, fields for probabilistic linkage and
"niveauConcordance" (code in the output file)

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Compute position	Blocking fields	fields for probabilistic Linkage	Output file
Deterministic approach			
1	all	-	1
2	last name, first name, birth date	-	2
Stochastic approach			
3	last name, first name	zip-code, birth date	2-3
4	last name, birth year	first name, zip-code, birth date	2-8
5	last name, zip-code	first name, birth date	2-4
6	first name, zip-code	last name, birth date	3-4
7	last name, birth day	first name, zip-code, birth date	2-6
8	last name, birth month	first name, zip-code, birth date	2-7
9	last name only	first name, zip-code, birth date	2-2
10	first name, birth year	last name, zip-code, birth date	3-8
11	first name, birth day	last name, zip-code, birth date	3-6
12	zip-code, birth year	last name, first name, birth date	4-8
13	birth day, birth year	last name, first name, zip-code, birth date	6-8
14	zip-code, birth day	last name, first name, birth date	4-6
15	first name, birth month	last name, zip-code, birth date	3-7
16	last name, first name	birth date	9-2-3
17	last name, birth year	first name, birth date	9-2-8
18	last name, birth day	first name, birth date	9-2-6
19	last name, birth month	first name, birth date	9-2-7
20	last nameonly	first name, birth date	9-2-2
21	first name, birth year	last name, birth date	9-3-8
22	first name, birth day	last name, birth date	9-3-6
23	birth day, birth year	last name, first name, birth date	9-6-8
24	first name, birth month	last name, birth date	9-3-7
Deterministic approach			
25	last name, birth date, zip-code without missing data	-	5
26	first name, birth date, zip-code without missing data	-	4
27	last name, birth date, zip-code=NA	-	6
28	inversion last name and first name, date of birth	-	8

Table 1. Blocking fields and fields for probabilistic linkage.